Xi3® NUCLear

INSTALL EVERYWHERE. MANAGE ANYWHERE.

A Micro-Mini PC with Maximum Manageability

Aside from the stunningly small form factor, the Xi3 NUC Lear features the Intel® Core™ i5 vPro™ processor, allowing your IT service provider to remotely access, manage or repair the system anytime, anywhere. This means the best of both worlds: robust computing capabilities for end users and complete remote management capabilities for IT professionals.

Completely Customizable

Unlike unfinished NUC kits available elsewhere, every NUC you order from Xi3 (an award-winning pioneer in small form factor computing) comes complete with your choice of SSD storage, RAM, operating system and optional Wi-Fi. Xi3 gives you "plug & play" NUC systems customized to your needs.

Infinite Install Applications

With plenty of processing power, multiple I/O options, and a form factor a mere 4 inches square, the Xi3 NUCLear enables smarter computing in smaller spaces—including desktops, digital signage, embedded systems, kiosks or virtually anywhere you can imagine.

Stunningly Smooth Graphics

Think smaller size means slower graphics performance? Think again. With integrated Intel HD4000 graphics, you'll enjoy amazing performance and stunningly smooth visuals in virtually any graphics-intense application including online gaming, HD video editing, playback and more.

Displays, Displays, Displays

The Xi3 NUC Lear offers an added twist with true triple display[1] support through two Mini DisplayPorts and one HDMI port. This allows you to re-think what's possible regarding digital signage, kiosks and other multi-monitor applications.

Superior Safety & Protection

With the Xi3 NUC Lear incorporating Intel's 3rd generation Core i5 vPro processor, you'll enjoy embedded security that helps keep threats out, user identities safe, and client data protected.[2] Additionally, this particular model is highly responsive to your users' computing needs, while delivering the manageability you've come to expect from Intel vPro technology.

Highlighted features

- **Processor:** Intel Core i5-3427U supporting Intel vPro Technology and Intel Small Business Advantage
- **OS:** Optional Windows 7, Windows 8, openSUSE, or Ubuntu
- **SSD Storage:** Optional 80GB, 120GB or 180GB
- **RAM:** Optional 4GB or 8GB
- Intel QS77 Express chipset
- 2 SO-DIMM sockets for memory upgrades to 16GB
- 2 Mini DisplayPorts*, supporting DP 1.1a, 1 HDMI port supporting HDMI
- Intel Gigabit LAN
- 1 front-panel USB 3.0 port
- 2 USB 2.0 ports
- 19V, 65W DC power connector

Solutions from Xi3

Step into the future with the next generation of computing from Xi3 and Intel. Call 801-478-3800, email sales@Xi3.com, or order online at www.Xi3.com/desktops/Xi3-nuc.

Xi3 Corporation
www.Xi3.com

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PROCESSOR
- Intel Core i5 3427U Processor (1.8 GHz with turbo capability to achieve 2.8GHz, Dual-Core processor with 3 MB smart cache)
- Supports Intel HyperThreading Technology
- Supports Intel 64 architecture[3]

CHIPSET
- Intel QS77 Express Chipset

GRAPHICS
- Intel HD Graphics 4000
- 2 Mini DisplayPorts and 1 HDMI port supporting independent triple display capability

STORAGE
- Integrated SSD storage configurations available through Xi3 include 80GB, 120GB, 180GB

SYSTEM MEMORY
- Dual-channel DDR3 with 2 connectors for 1600/1333/1066 MHz memory support (16 GB max)
- RAM configurations available through Xi3 include 4GB (1 x 4GB), 8GB (2 x 4GB)

MEMORY VOLTAGE
- 1.35V

OPERATING SYSTEM
- Supports 64-bit, x86-based operating systems
- Integrated operating systems available through Xi3 include Windows 7, Windows 8, openSUSE Linux, Ubuntu

SYSTEM BIOS
- 128Mb Flash EEPROM with Intel Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS2.5
- Intel Express BIOS update support

FAST BOOT BIOS
- Optimized POST for almost instant-on access from power on

PERIPHERAL CONNECTIVITY
- Integrated Intel 10/100/1000 Network Connection
- 4 Hi-Speed USB 2.0 ports: (2 back panel ports and 2 additional ports via internal header)
- 1 Super Hi-Speed USB 3.0 front panel port

HARDWARE MANAGEMENT FEATURES
- Processor fan speed control
- System chassis fan speed control
- Voltage and temperature sensing
- Fan senor to monitor fan activity
- ACPI-compliant power management control

INTEL PRO 10/100/1000 NETWORK CONNECTION
- Low-power design
- Optional Wi-Fi available through Xi3: 802.11 a/b/g/n/ac + Bluetooth 4.0

EXPANSION CAPABILITIES
- 2 mini-PCIe* slots for mSATA and other expansion capabilities[4]
- 1 PCIe* half-mini card connector
- 1 PCIe full-mini card connector

AUDIO
- Intel High Definition Audio[5] (Intel HD Audio) via HDMI 1.4a and Display Port 1.1a outputs supporting 8 channel (7.1) digital audio

JUMPERS AND FRONT-PANEL CONNECTORS
- Reset, HDD LED, Power LEDs, power on/off
- Front-panel Hi-Speed USB 2.0 headers

MECHANICAL CHASSIS SIZE
- 4.59” x 4.41” x 1.55”
- 116.6mm x 112.0mm x 39.0mm

BOARD SIZE
- 4” x 4” (101.6mm x 101.6mm)

BASEBOARD POWER REQUIREMENTS
- DC Power 19V, 65W

ENVIRONMENT OPERATING TEMPERATURE
- 32° F to +122° F (0° C to +50° C)

STORAGE TEMPERATURE
- -4° F to +158° F (-20° C to +70° C)

For a complete listing of regulations, safety standards and environmental compliance certifications, please visit: www.Xi3.com/desktops/Xi3-nuc

1 — Requires two mini DisplayPort capable monitors.

2 — The Intel® CoreTM processor utilities bundle includes Intel® Integrator Assistant, Intel® Integrator Toolkit, Intel® Express Installer and Intel® Express Bios Update.

3 — 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See http://developer.intel.com/technology/intel64/index.htm for more information.

4 — System resources and hardware (such as PCI and PCI Express*) require physical memory address locations that can reduce available addressable system memory. This could result in a reduction of as much as 1 GB or more of physical addressable memory being available to the operating system and applications, depending on the system configuration and operating system.

5 — Intel® High Definition Audio requires a system with an appropriate Intel® chip- set and a motherboard with an appropriate codec and the necessary drivers installed. System sound quality will vary depending on actual implementation, controller, codec, drivers, and speakers. For more information about Intel® HD Audio, refer to www.intel.com/design/chipsets/hdaudio.htm

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